

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name	County		
City of La Canada Flintridge	Los Angeles		
Authorized Signature	Title		
Type/Print Name of Person Signing	Date	Phone () include Area Code	
Person Completing This Form (please print or type)	Title		
Affiliation:			
Mailing Address	City	State	ZIP Code
E-mail address			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:	2. Proposed new generation-based study year:
1990	2000

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The new generation study was required by the CIWMB compliance order. The previous study does not adequately represent the impact of the implemented diversion programs and of the increase in the growth of industry and construction over the last 8 years. The previous study, if utilized for the year 2000 would provide a negative diversion rate. Much more accurate disposal numbers are available because of the implementation of the Disposal reporting system and because of diversion reporting required of the haulers and recyclers.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. -8 %	Diversion rate calculated using new generation-based study	b. 42 %
For existing base year pounds/person/day based on generation	10.01	For new generation based study pounds/person/day based on generation	18.51
Residential generation 67 % Non-Residential Generation 33 %		Residential generation 28% % Non-Residential generation 72% %	
Population existing generation-based study 19,378		Population new generation-based study 21,100	

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

The diversion programs described in the PARIS has had significant impact in reducing and recycling the waste stream in the City of La Canada Flintridge and the use of the CIWMB Adjustment Method does not accurately reflect the diversion rate of the implemented programs. The 1990 base year study was so poorly done that the Default methodology provides a negative diversion rate. The City has implemented a residential greenwaste collection/recycling program. Greenwaste is the single largest component of the waste stream. The City also implemented a C & D ordinance to mandate recovery of recyclables. The City also finalized new non-exclusive franchise agreements for the commercial / industrial sector with several new haulers. Franchise agreement has mandatory recycling goals and reporting. Commercial recycling and reporting pilot has instituted in 1997-98 and now part of contract (City program)

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The base year study was poorly done and results in a negative diversion rate for the year 2000. The original 1990 base year study was not accurate. There were multiple haulers not quantified and self haul was not quantified. Also in 1990, inert materials were not included in the disposal. Since 1990, the single largest wastestream component (greenwaste) was targeted through curbside greenwaste program and commercial greenwaste diversion. The year 2000 diversion rate reflects the impact of this program. The residential waste is primarily yardwaste. Greenwaste collection in the commercial and residential sector accounted for 24,187 tons of diversion for the City. The city also started monthly reporting requirements for diverted tonnage for materials collected by the haulers.

7. Disposal Tonnage: (enter values)	10747	Residential	30616	Non-Residential	41363	Total
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Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

- a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)
- b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.ciwmmb.ca.gov/lcentral/forms/rymndrq.doc>)
- c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.ciwmmb.ca.gov/lcentral/forms/rymndrq.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, [agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal] please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.						
Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) [list operation w/multiple materials in one box]	Specific conversion factor used (if any) and Source	Type of record and location of record	
Please use the Board's program types. The program type glossary is online at: http://www.ciwmmb.ca.gov/lcentral/patis/codes/reduce.htm	(A)	(A) Total Generation				
Residential Activities:						
Source Reduction						
Backyard composting						
Grasscycling						
Other Residential source reduction (list each program separately)						
Enter program name		0.0%				
Enter program name		0.0%				
Enter program name		0.0%				
Enter program name		0.0%				
Subtotal Residential Source Reduction	0	0.0%				
Recycling						
Curbside Recycling	2777	3.9%	Aluminum, plastic, paper, glass, cans, etc. Greenwaste included in ADC numbers	Actual weight	City / Hauler Monthly Report	
Buyback centers						
Drop-off centers						

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) [list operation w/multiple materials in one box]	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmib.ca.gov/centralians/codes/reduce.htm	(A)	(A/Totals Generation)			
Other Residential recycling [list each program separately]					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	2777	3.9%			
Composting					
Green waste drop-off					
Curbside green waste					
Christmas Tree program					
Other Residential composting [list each program separately]					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	0	0.0%			
Subtotal Residential Diversion	2777	3.9%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits*	193	0.3%			
Other non-Residential source reduction [list each program separately]					
City and School GrassCycling	145	0.2%	Grass		
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	337	0.5%			

See Section 9

See Section 9

See Section 9

See Section 9

[City Public Works Landscape Maintenance

7.61 tons per acre per year

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ci.mt.ca.gov/centra/pars/codes/reduce.htm	(A)	(A/Total Generation)			
Recycling	1709	2.4%		See Section 9	See Section 9
Non-Residential Waste Audits*					
Other non-Residential recycling (list each program separately)					
Government Recycling			Included in Commercial Hauler Recycling	Actual Weight reported monthly by commercial haulers	
City Franchised Licensed Commercial Hauler Recycling	1501	2.1%	Cardboard, Paper, Wood, etc. (New hauler franchises). Includes 368 tons of metals	Actual Weight reported monthly by commercial haulers	
City Public Works Road Resurfacing					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	3211	4.5%			
Composting				See Section 9	See Section 9
Non-Residential /Waste Audits*	139	0.2%			
Other non-Residential composting (list each program separately)					
Manure Composting	2604	3.7%	80 CY/wk at 1252 lbs per cubic yard (Tellus)	Flintridge Riding Club / Manure composting program	City Report / Verified by Composter
Greenwaste Composting	5134	7.2%	Green Waste from commercial landscapers	Diversion Report from Composting Facility	West Coast Arborist Report/City Public Works
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	7877	11.1%			
Subtotal Non-Residential Diversion	11425	16.0%			
Residential/Non- Residential Diversion Activities					
ADC	6095	8.6%	Greenwaste from curbside and tree trimmers and some asphalt	Actual weight from County reports	County DRS (December 2001 Version)
Sludge					
Scrap metal					
Construction and demolition	2704	3.8%	Concrete and Asphalt recycling by Public Works, average of 4 years	Calculated by City Engineer (Dept. of Public Works)	City of La Canada Flintridge Public Works
Landfill salvage	6505	9.7%	Mostly beneficial reuse (e.g., erosion control, etc.) of greenwaste from curbside and tree trimmers and some inert debris reuse	From County Public Works Report (minus dirt for structure or cover)	County DRS
Subtotal Residential/Non-Residential diversion	15704	22.0%			
Total Res/Non-Res Source Reduction Tons	337	0.5%			
Total Diversion Tons	29905	42.0%			
Total Disposal Tons from Sec.7	41363	58.0%			
Total Generation Tons (Div+Dis)	71258				
Diversion Rate		42%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwnb.ca.qov/lcentral/parsis/codes/reduce.htm	(A)	(#/Total Generation)			

9. Specific Non-Residential Sector Waste Audits- Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-residential Generator	Audit Reference Number	Specific/Major Diversion Activities include material type (e.g. paper recycling, grass/cycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section B)	Survey Method Phone (P) Mail (M) On-site (O) Other —
Laboratory / Govt Research	11	OCC reuse and recycling, paper recycling, plastic bucket and drum reuse, scrap metal recycling, pallet recycling, green waste mulched, toner cartridge return, tire recycling, computers donated, grease recycling						O
Grocery Store	35	OCC reuse and recycling, paper composting, paper recycled, chipboard recycled, plastic recycling, plastic bucket reuse, metal cans recycled, bread donated, produce composted, meat rendered, pallet source reduction, produce boxes donated, toner returned	95	779	10	883.55	1.2%	O
Grocery Store	23	OCC recycling, Kraft recycling, plastic bucket reused, plastic recycled, food composted, grease rendered, pallet source reduction, toner return	33	217	88	337.094	0.5%	O
Grocery Store	34	OCC reuse and recycling, paper recycling, paper reduction, plastic bucket reuse, food donations, pallet source reduction, wood box donations, toner return	6	177	36	218.572	0.3%	O
Retail Store	21	OCC recycle, Pallet source reduction, hanger reuse	12	183		194.19	0.3%	O
			1	73		74.088	0.1%	O

Clothe Store	25	OCC reuse and recycling, paper reduction, clothes donated, toner returned	27	41		67.7355	0.1%	0
Retail Clothes and Accessories	33	OCC recycling, paper reduction, pallet reduction, toner return, and donation of damaged textiles	2	31		33.414	0.0%	0
Resturant	32	OCC recycling, grease recycling, extra food donated to employees, reuse of plastic buckets and drums	2					
Sporting Goods - Retail	27	OCC recycling, Paper reduction, and pallet source reduction	2	25		26.603	0.0%	
Resturant	13	Grease recycling, OCC and news paper reuse, paper reduction, OCC reduction, Food donations, pallet source reduction	12	14		26.495	0.0%	
		Totals	192.8275	1554.839	133.738	1881.4045	2.6%	

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)

OCC Recycling Businesses 11, 35, 23, 34, 21, 25, 33, 32, and 27

Business 11 used weight tickets to get the total amount of OCC recycled

Business 35 estimated the number of bales recycled/day and used a conversion factor of 500 lbs/bale

Business 23 estimated the number of bales recycled/week and used a conversion factor of 450 lbs/bale

Business 34 estimated the number of bales recycled/week and used a conversion factor of 500 lbs/bale

Business 21 estimated the number of bales recycled/week and used a conversion factor of 350 lbs/bale

Business 25 estimated the number of small and medium sized boxes recycled/week and used conversion factors of 1.1 lbs/small box and 2.2 lbs/medium box

Business 33 estimated the number of bales recycled/week and used a conversion factor of 400 lbs/bale

Business 32 estimated the number of boxes recycled/week and used a conversion factor of 1.1 lbs/small box

Business 27 estimated the number of boxes recycled/day and used a conversion factor of 2.2 lbs/medium box

Paper Recycling Businesses 11, 35, and 34

Business 11 used weight tickets to get the total amount of paper recycled

Business 35 estimated the number of full boxes of paper ads recycled and used a conversion factor of 20 lbs/full box of paper ads

Business 34 estimated the number of reams recycled/week for white paper and the number of 33 gallon containers for mixed paper. The conversion factors of 5 lbs/ream and 25.41 lbs/33 gal container were used.

Scrap Metal Recycling Business 11

Business 11 used weight tickets to get the total amount of scrap metal recycled

Tire recycling Business 11

Business 35 estimated the number of tires recycled/year and used a conversion factor of 25 lbs/tire

Chipboard recycling Business 35

Business 35 estimated the number of full boxes/week and used a conversion factor of 6 lbs/full box

Plastic Recycling Businesses 35 and 23

Business 35 estimated the number of bottles recycled/week and used a conversion factor of 0.33 lbs/bottle

Business 23 estimated the number of pallets/week that used stretch wrap which was recycled and used a conversion factor of 0.5 lbs of stretch wrap (used/pallet)

Metal Cans Recycling Business 35

Business 35 estimated the number of cans/week and used a conversion factor of 0.77 lbs/can

Kraft Potato Bag Recycling Business 23

Business 23 estimated the number of Kraft potato bags recycled/week and used a conversion factor of 0.3 lbs/bag

Pallet Recycling Business 11

Business 11 tracks the number of light, normal, and heavy pallets they sell to a pallet recycler/year. The business used conversion factors of 10 lbs/light pallet, 40 lbs/normal pallet, and 50 lbs/heavy pallet.

Grease & Meat Rendering Businesses 11, 35, 23, 32, and 13

Business 11, 23, 32, and 13 estimated the number of gallons rendered/week and used a conversion factor of 7.45 lbs/gallon

Business 35 estimated the number of 55 gallon drums rendered/week and used a conversion factor of 200 lbs/55 gallon drum

Paper Composted Business 35

Business 35 estimates the number of cases of white paper/week and bags of mixed paper/day composted. The conversion factors of 50 lbs/case and 25.41 lbs/bag were used.

Food Composted Businesses 35 and 23

Business 35 estimated the number of full pallets of produce backhauled per day to be composted and used a conversion factor of 450 lbs/pallet full of produce

Business 23 estimated the number of loaves of bread and the number of pallets of produce taken to a composting facility/week and used the conversion factors of 0.5 lbs/loaf of bread and 250 lbs/pallet of produce

Green Waste Mulched Business 11

Business 11 used weight tickets to calculate the amount of greenwaste chipped for mulch each year.

OCC Reuse Businesses 11, 35, 34, 25, and 13

Business 11 estimated the number of gaylord boxes reused per month and used a conversion factor of 5.5 lbs/gaylord box. The business also estimated that 5 percent of the other boxes received are reused so they estimated the weight to be 5 percent of the total OCC recycling as reuse.

Business 35 estimated the number of large boxes reused/week and used a conversion factor of 4 lbs/large box

Business 34 estimated the number of small boxes reused/week and used a conversion factor of 1.1 lbs/small box

Business 25 estimated the number of small boxes reused/day and used a conversion factor of 1.1 lbs/small box

Business 13 estimated the number of small boxes reused/month and used a conversion factor of 1.1 lbs/small box

Plastic Bucket and Drum Reuse Businesses 11, 35, 23, 34, and 32

Business 11 estimated the number of plastic 5 gallon buckets and 55 gallon drums reused/month and used conversion factors of 1.9 lbs/plastic bucket and 15 lbs/plastic 55 gallon drum

Business 35 estimated the number of 5 gallon buckets reused/week and used a conversion factor of 1.9 lbs/plastic bucket

Businesses 23, 34, and 32 estimated the number of 5 gallon buckets reused/month and used a conversion factor of 1.9 lbs/plastic bucket

Toner Cartridge Returned Businesses 11, 35, 23, 34, 25, and 33

Business 11, 35, 23, 25 and 33 estimated the number of toner cartridges returned/year and used a conversion factor of 2.5 lbs/toner cartridge

Business 11, 35, 23, 25 and 33 estimated the number of toner cartridges returned/year and used a conversion factor of 2.5 lbs/toner cartridge
Business 34 estimated the number of toner cartridges returned/month and used a conversion factor of 2.5 lbs/toner cartridge

Computers Donated Business 11

Business 11 estimated the total number of computers donated/year and used a conversion factor of 26 lbs/CPU donated (monitors were not included because the CRTs in the monitors are considered hazardous waste types).

Food Donated Businesses 35, 34, 32, and 13

Business 35 estimated the number of loaves of bread donated/week and used a conversion factor of 0.8 lbs/loaf of bread

Business 34 estimated the number of grocery sacks of bread and bags of produce donated/week and used conversion factors of 17.5 lbs/grocery sack of bread and 30 lbs/bag of produce

Businesses 32 and 13 estimated the amount of extra prepared food donated/day

Produce and wood Boxes Donated Businesses 35 and 34

Business 35 estimated the number of produce boxes returned/day and used a conversion factor of 1 lb/produce box

Business 34 estimated the number of wooden wine boxes donated/weed and used a conversion factor of 2.5 lbs/small wooden box

Paper Reduction Businesses 34, 25, 33, 27, and 13

Business 34 estimated 30 percent of paper reused as scratch paper, and they estimated the number of reams of paper used each week; a conversion factor of 5 lbs/ream was used.

Business 25 estimated the number of time cards saved/week due to on-line time cards and used the conversion factor of 0.0125 lbs/time card

Business 33 estimated the number of reams of paper reused as scratch paper/week and used the conversion factor of 5 lbs/ream

Business 27 estimated the number of reams of paper saved/week due to on-line inventory and used the conversion factor of 5 lbs/ream

Business 13 estimated number of boxes of paper towels saved/week by using an electronic hand dryer use and used a conversion factor of 25 lbs/box

OCC Reduction Business 13

Business 13 estimated the number of small boxes saved by switching to totes and used a conversion factor of 1.1 lbs/small box saved

News Paper Reuse Business 13

Business 13 estimated the number of newspapers reused/day and used a conversion factor of 1 lb/newspaper

Hanger Reuse Business 21

Business 21 estimated the number of hangers reused/week and used a conversion factor of 0.1 lbs/hanger

Clothes and Damaged Textiles Donated Businesses 25 and 33

Business 25 estimates the number of clothes from the store donated/month and from the lost and found donated/year and used the conversion factors of 202 gallons/cubic yard and 225 lbs/cubic yard

Business 33 estimated the number of full boxes donated/week and used a conversion factor of 20 lbs/full box

Pallet Source Reduction Businesses 35, 23, 34, 21, 33, 27, and 13

Businesses 35, 23, 34, 21, 33, 27, and 13 estimated the number of pallets kept out of the trash/year and used the conversion factor of 40 lbs/pallet

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concreter, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Scrap Metal	▼ City Commercial Franchised Licensed Hauler Recycling, pilot program	1997-1998	368
Inert Solids	▼ City Public works Road Resurfacing project	1995	2704
Inert Solids	▼ ADC, Some C&D waste used	1991	278
Inert Solids	▼ Landfill Salvage	1991	6095
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

_____ (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (Note : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Scrap Metal	▼ Business 11 scrap metal recycling	852	448	404
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			

TOP 33 BUSINESSES (by Total Diversion Tonnage)

City of La Cañada / Flintridge

ATTACH 9

	OCC recycle	paper	4 cy / wk x 50.0 lbs / cy x 52 wks/yr	50.0 lb / cy	USEPA	10,400.00	5.20
	Paper reduction due to electric hand drier usage	Paper	1 box/wk diverted x 25.0 lbs/box x 52 wks/yr	25.0 lb / box of paper box Ecotelsis field study	USEPA	1,300.00	0.65
	Wt. reduction due to double sided copying	Paper	2 ream/mo x 50% reuse x 5 lbs/ream x 12 mo/yr	5.0 lb / ream	USEPA	60.00	0.03
	Wt. reduction due to scratch paper	Paper	100 sheets/mo x 5 lbs/500 sheets x 12 mo/yr	5.0 lb / ream	USEPA	12.00	0.01
	Grease recycling	paper	55 gal / wk x .745 lb / gal x 52 wks/yr	.745 lb / gal	USEPA	21,307.00	10.65
	Pallet return / half wt. Pallets	other org	55 gal/2 wks x 7.45 lb/gal x 52 wks/yr	7.45 lb / gal	Field Estimate	400.00	0.20
19.	Restaurant	OCC recycled	10wk x 2 x 20 lb/ea Light weight wood	20.0 lb / ea in system	Field Estimate	33.00	1.28
	Plastic sprayer bottles reuse	Paper	50 sm boxes / wk x 1.1 lbs/ea x 52 wks/yr	1.1 lb / sm. Box	USEPA	2,860.00	1.43
	Glass recycling	plastic	77/wk x 0.1lb/ea x 52 wks/yr	0.1 lb / ea	Telus	0.00	0.00
	Glass recycling	glass	4 / wk x 2.1 lbs/ea x 52 wks/yr	2.1 lb / ea	USEPA	349.44	0.17
	Glass recycling	other org	55 gal/wks x 7.45 lbs/gal x 52 wks/yr	7.45 lb / gal	USEPA	15.00	0.08
20.	Pet supply, retail	OCC reuse	4,161.00	21,307.00	21,307.00	0.00	2.08
	MP reuse	MP reuse	3,120.00	0.00	0.00	0.00	0.01
	Magazine donate for reuse	Magazine	36.00	0.00	0.00	0.02	0.02
	Plastic sprayer bottles reuse	paper	20 units/mo x 10 units/3 lbs x 50% x 12 mo/yr	0.3 lb / ea	USEPA	0.00	0.00
	OCC reduction due to tote usage	plastic	3.5 / wk x 2 fill-ups wk x 0.1 lbs/ea x 52 wks/yr	0.1 lb / ea	Ecotelsis field study	0.00	0.02
	Pallets returned - 1/2 wt or 20.0 ea. @ 20.5/wk.	paper	5.5 / wk x 1.1 lbs/ea x 52 wks/yr	1.1 lb / ea	USEPA	0.00	0.00
	Food broken bags reused	other org	20.5/wk x 2 x 20.0 lb/ea light pallet	20.0 lb / ea in system	Field Estimate	820.00	0.41
	OCC recycle	paper	40 boxes / wk x 1.5 lbs/ea x 52 wks/yr	25.0 lb / yr	Business Estimate	3,120.00	1.56
	MP signage reused	paper	0.00	0.00	0.00	0.00	0.01
	Pallets back-hauled @ 30/wk	paper	2,400.00	0.00	0.00	0.02	0.02
	Plastic w/ metal hanger reuse	other org	175.50	0.00	0.00	0.09	0.09
22.	Variety Store - retail	OCC recycle	9.00	1,080.80	22,880.00	0.00	0.00
	Wt. reduction due to on-line	paper	0.00	0.00	0.00	0.00	0.00
	Plastic PS packing reuse	paper	0.00	200.00	200.00	0.00	0.00
	OCC reuse	paper	800.80	0.00	0.00	0.40	0.40
	OCC recycle	paper	105.00	11,166.65	354,152.50	0.00	0.00
	Kraft recycle	paper	339.300.00	0.00	0.00	0.00	0.00
	Plastic 5 gal reuse	paper	624.00	0.00	0.00	0.00	0.00
	OCC displaced or reduced - tote usage	paper	125.40	0.00	0.00	0.06	0.06
	Food recycled - produce / taken to compost facility	paper	3,575.00	0.00	0.00	0.00	0.00
	Plastic stretch wrap recycled / pallet wrap	plastic	6,825.00 other org	0.5 lb / ea loaf	Field Estimate	624.00	0.31
	Food recycled - bread / taken to compost facility	plastic	5.5 buckets / mo x 1.9 lb/ea x 52 wks/yr	0.3 lb / ea	USEPA	125.40	0.06
	Food recycled - produce / taken to compost facility	paper	125/totes / wk x 1.1 lb/ea x 52 wks/yr	1.1 lb / ea	USEPA	0.00	0.00
	Grease recycled	plastic	137.5 pallets worth / wk x 0.5 lb/ea x 52 wks/yr	0.5 lb / ea	TREX	3,575.00	1.79
	Pallet - wood return @ 37.5/wk.	plastic	37.5 loads of bread / wk x 0.5 lbs/ea x 52 wks/yr	0.5 lb / ea	Field Estimate	6,825.00	3.41
	Pallet - plastic return @ 100/wk.	other org	65,000.00 other org	5 pallets of produce / wk x 250.0 lbs/ea x 52 wks/yr	250.0 lb / ea pallets wor Field Estimate	65,000.00	32.50
	Toner return	other org	55 gal/2 wks x 7.45 lb/gal x 52 wks/yr	7.45 lb / gal	USEPA	10,553.50	5.33
	Toner return	other org	37.5/wk x 2 x 40 lb/ea	40.0 lb / ea in system	USEPA	3,000.00	1.50
	Toner return	other org	100/wk x 2 x 40 lb/ea	2.5 lb / ea	USEPA	8,000.00	4.00
	Toner return	other	5.5 printer cart / yr x 2.5 lb/ea	2.5 lb / ea	USEPA	13.75	0.01
	OCC displaced or reduced - soda shell usage	paper	5.5 printer cart / yr x 50 lb/ea	50 lb / ea	Ecotelsis field study	27.50	0.01
24.	Drug Store & misc. Retail	Paper	15.00	1,135.25	15,400.00	0.00	0.00
	OCC recycle	Paper	13,000.00	0.00	0.00	0.00	0.00
	Wt. recycle	Paper	2.5 cy / wk x 100.0 lbs/cy x 52 wks/yr	100.0 lb / cy (light)	USEPA	13,000.00	6.50
	O NP recycle	Paper	(5 reams / wk x 50 lb/ream - less 20%) x 52 wks/yr	5.0 lb / ream	USEPA	1,040.00	0.52
	O NP recycle	Paper	200 lbs ea box full of ONP / wk x 52 wks/yr	200 lb / ea box of ONP Field Estimate	1,040.00	0.00	0.00

	WL reduction due to scratch & double side copying	130.00	paper	10 % of 5 reams/wk x 5.0 lb/ream x .52 wks/yr	5.0 lb / ream	USEPA	130.00	
	Plastic HDPE spray bottle reuse	0.00	plastic	.3 / wk. x 0.1/ea. x .52 wks/yr	0.1 lb / ea.	Ecclesiastis field study	0.00 46.40	
	Misc. donations of candy & books etc. / did	240.00	stock			Business Estimate	240.00	
	WL reduction due to hand helds	60.00	other	8 boxes full / yr. x 30.0 lb/ea. box	30.0 lb / box	Business & Field Estim	60.00	
	Recycle paperbacks	320.00	paper	1 ream / mo. x 5.0 lb/ea. x .52 wks/yr	5.0 lb / ream	Business & Field Estim	320.00	
	Displays go off - site for reuse		paper	8 boxes full of books / yr. x 40.0 lb/ea.	40.0 lb / box	Business & Field Estim	0.12	
	Pallet return @ 6.5wk	60.00	other	min. 12 displays / yr. x 5.0 ea.	5.0 lb / ea.	Business & Field Estim	0.03	
	Toner return / printer	520.00	other org	6.5wk. x 2.40 lb/ea.	40.0 lb / ea. in system	USEPA	60.00	
	Toner return / copier	6.25	other	2.5 printer toner cart / yr. x 2.5 lb/ea.	2.5 lb / ea.	USEPA	6.25	
		15.00	other	3 copier toner cart / yr. x 5.0 lb/ea.	5.0 lb / ea.	Ecclesiastis field study	0.01	
	OCC displaced / tote reuse	0.00	paper	8 totes/wk x 24 totes/ea x 1.1 lb/ea x .52 wks/yr	1.1 lb / box displaced	USEPA	0.00 40,982.00	
	OCC displaced / soda shell reuse	0.00	paper	25 soda shells / wk x 0.5 lb/ea x .52 wks/yr	0.5 lb / ea	Field Estimate	0.00 520.00	
	OCC displaced / tote reuse - pharmacy	0.00	paper	5 / wk x 1/tea x 52 wks/yr	1.1 lb / ea	USEPA	0.00 104.00	
	Plastic PS packing reuse	104.00	plastic	3 gal / wk x 1.5 lb/ea x .52 wks/yr	1.5 lb / 33 gal	USEPA	104.00 416.50	
		51.00					83,236.95 46,409.95	
		1,720.95					41.62 57.74	
	OCC reuse	1,201.20	paper	3 boxes/day x 1.1lb/ea x 7 days/wk x .52 wks/yr	1.1 lb / ea, sm. box	USEPA	1,201.20 0.50	
	OCC recyclism, boxes	27,170.00	paper	475 sm. boxes / wk x 1.1 lb/ea x .52 wks/yr	1.1 lb / ea, sm. box	USEPA	27,170.00 13.59	
	OCC recycled/med boxes	54,340.00	paper	475 med. boxes / wk x 2.2 lb/ea. x .52 wks/yr	2.2 lb / ea, med. box	USEPA	54,340.00 27.17	
	Chipboard signage reuse	0.00	paper	1 full box / mo. x 20.0 lb/ea. x 12. mo/yr	20.0 lb / box of signage	Business estimate	0.00 240.00	
	WL reduction on-line time cards	33.15	paper	51 time cards / wk x 0.0125 lb/ea x 52 wks/yr	0.125 lb / each	Actual Weight	33.15 0.02	
		0.00	paper	(30 box/day x 7 day/wk x 1.1 lb/box) -20%)/ 52				
	Market & butcher		paper	11 lb / ea, sm. box	USEPA	1,201.20		
	OCC sm. box recycle		paper	USEPA	USEPA	441.09		
	OCC med. box reuse		paper	Tellus	Tellus	36.76		
	Clothes / lost & found donated	441.09	paper	USEPA	USEPA	8.76		
	Toner return / printer	36.76	other	3.5 cartridges / yr. x 2.5 lb/ea.	2.5 lb / ea. printer cart	USEPA	0.00 0.00	
		8.75					0.00 0.02	
	Hanger back to ware house for reuse	0.00	paper	100 boxes/wk @ 100 hangers x 0.1 lb/ea x 52 wks/yr	0.1 lb / ea	Field Estimate	0.00 52,900.00	
		0.00	paper	(30 box/day x 7 day/wk x 1.1 lb/box) -20%)/ 52				
	OCC reduction due to Tote usage	0.00	paper	9,609.60	9,609.60	USEPA	4.60	
	WL reduction due to on-line inventory	390.00	paper	11 lb / ea, sm. box	USEPA	441.09	0.22	
	Pallet reuse & repair @ 300/wk	24,390.00	paper	USEPA	USEPA	36.76	0.02	
		30.00	paper	7.5/wk. x 2.2 x 40.0 lb/ea.	225 lbs/cy	Tellus	8.76	0.00
	Wood boxes back hauled for reuse	62.50	paper	3 full boxes / wk x 30.0 lb/ea. x .52 wks/yr	30.0 lb / ea, full box	Field Estimate	0.00 4,680.00	
		24,390.00	paper	600.00	600.00	Field Estimate	2.34	
		0.00	paper	55 wood boxes / wk x 8.0 lb/ea x .52 wks/yr	0.8 lbs / ea box	Field Estimate	0.00 600.00	
		0.00	paper	50 boxes/day x 5 day/wk x 2.2 lb/box x 52	52,990.00 55,228.00	Field Estimate	0.00 1.14	
	OCC recycle	28,600.00	paper	50 boxes/wk x 2.2 lb/box x 4.33 wk/mo x 10	2.2 lb / ea, med. box	USEPA	28,600.00 14.30	
		19,052.00	paper					
	OCC recycle	190.52	paper	2.2 lb / med. box	USEPA	0.00 2,286.00	0.14	
	WL reduction due to on-line & scratch	130.00	paper	USEPA	USEPA	390.00	0.20	
	Pallets re-used @ 100/mo.	8,000.00	paper	40.0 lb / ea. in system	USEPA	24,000.00	-12.00	
		300/wk x 2 x 40.0 lb/ea.	paper	30,492.52	30,492.52	Field Estimate	15.25	
	OCC reuse / extra large & heavy duty	15,000	paper					
	Paper reduction / 5¢ credit if customer brings own cup	433.04	paper	2.2 lb / med. box	USEPA	19,052.00	9.53	
	WL reduction due to scratch paper & double sided copying	86.66	paper					
	Paper reduction / 5¢ credit if customer brings own cup	284.38	paper	2.2 lb / med. box	USEPA	0.00 2,286.00	0.14	
	Plastic pallet wrap reused for packing	52.00	paper	2.2 lb / med. box	USEPA	86.66	0.04	
	Paper SR / cups not doubled - now sm. paper sleeve	0.00	paper	2.2 lb / med. box	USEPA	86.66	0.04	
			paper	2.2 lb / med. box	TREX	52.00	0.03	
			paper	6 huge boxes / wk x 10.0 lb/ea. x .52 wks/yr	10.0 lb /x large & heavy, Field Estimate	3,120.00	1.56	
			paper			10,529.70	44,996.00	
			paper	0.041 lb/cup displaced sleeves save 45% less!		0.00	5.26	
			paper	0.041 lb/cup displaced sleeves save 45% less!		284.38	5.55	

